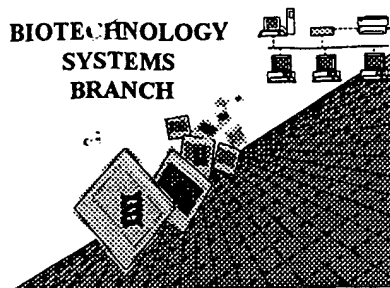


LN

BIOTECHNOLOGY
SYSTEMS
BRANCH**RAW SEQUENCE LISTING**
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/824,787

Source:

OIPF

Date Processed by STIC:

4/19/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/824,787

TIME: 12:22:38

Input Set : A:\seqlist_1821 0040001.txt

Output Set: N:\CRF3\04192001\I824787.raw

Does Not Comply
Corrected Diskette Needed*ppr 1-6*

4 <110> APPLICANT: Zauderer, Maurice
 5 Evans, Elizabeth E.
 6 Borrello, Melinda A.
 8 <120> TITLE OF INVENTION: Gene Differentially Expressed in Breast Cancer and
 9 Encoded Polypeptides
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 13 <140> CURRENT APPLICATION NUMBER: US/09/824,787
 14 <141> CURRENT FILING DATE: 2001-04-04
 16 <150> PRIOR APPLICATION NUMBER: 60/194,463
 17 <151> PRIOR FILING DATE: 2000-04-04
 19 <160> NUMBER OF SEQ ID NOS: 84
 21 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

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 135 agtgtgtga aggagcagta tccgggcata cgacatcgagt cgcgcctcgg gggcacagg 180
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 137 ccctatgaga aagatctcat tgaggccatc cgaagagcca gtaatggaga aaccctagaa 300
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 140 ctctgtcccc tacttagctc ctttagcaaag agaccctggc ctccactttg ccctttgggt 480
 141 acaaagaagg aatagaagat tccgtggcct tgggggcagg agagagacac tctccatgaa 540
 142 cacttctcca gccacctcat acccccttcc cagggttaagt gccacgaaa gccagttcca 600

*(global error)**see item 10**on Error
summary
sheet**item 10**p. 2*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/824,787

DATE: 04/19/2001

TIME: 12:22:38

Input Set : A:\seqlist_1821 0040001.txt

Output Set: N:\CRF3\04192001\I824787.raw

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 157 ctggagaatg ggggctttcc ctatgagaaa gatctcattg aggccatccg aagaagccag 300
 158 taatggagaa accctagaaa agatcaccaa caagcccgctc ctccctgctg catcctgtga 360
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 177 cccctactta agctccttta gcaaagaaga acctgggctt tccacttttg cccttttggg 480
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 190 cggcttcgag gcgacctacc tggagctggc cagtgtctgt aaggagcagt atccgggcat 180
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P3

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/824,787

DATE: 04/19/2001

TIME: 12:22:38

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Output Set: N:\CRF3\04192001\I824787.raw

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267 gctgtgaagg agcagtatcc gggcatcgag atcgagtcgc gcctcggggg cacagggtgcc 180
268 tttgagatag agataaatgg acagctgggtg ttctccaagc tggagaatgg gggctttccc 240
269 tatgagaaag atctcattga ggccatccga agagccagta atggagaaac cctagaaaag 300
270 atcaccaaca gccgtcctcc ctgcgtcatc ctggtgactt gcacaggact ttgggttcct 360
E--> 271 gctctgttct tgggggtccaa acctttgggc ttcccttttg ttctgnttg gggagntccc 420
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278 <213> ORGANISM: Homo sapiens
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287 gcgtcatcct gtgactgcac agggactctg ggttccctgt ctcccgatc tgtctccttc 420
288 ctctagccag cagtatggac agctggacct cctgaaactt tctctcctc ttaactgggc 480
E--> 289 agagtgttgt ctctcccca atttattaaa actaaaaatg gantncattc ctctgaaagc 540
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305 agtaatggag aaaccctaga aaagatcacc aacagccgtt cctccctgcg tcatcctgtg 360
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312 <213> ORGANISM: Homo sapiens
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318 ctccgggggca cagggtgcttt gagatagaga taaatggaca gctggtgttc tccaagctgg 240
319 agaattgggg ctttccctat gagaaagatc tcattgaggc catccgaaga gccagtaatg 300
320 gagaaacct agaaaagatc accaacagcc gtccctccct gcgttcaccc tgtggactgg 360
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RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/824,787

TIME: 12:22:38

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332 gcgacctacc tggagctggc cagtgtctg aaggagcagt atccgggcat cgagatcgag 180
333 tcgcgcctcg ggggcacagg tgcctttgag atagagataa atggacagct ggtgttctcc 240
E--> 334 aagctggaga atnggggctt tccctatgag aaagatctca ttgaggccat ccgaagagcc 300
E--> 335 agtaatggag aaaccctaga aaagatcacc aacagccgtc ctccctgcgt catcctntga 360
E--> 336 ctgcacagga cttttgggtt tcctgtctg tttctggggg ttccaaacnt tggntttccn 420
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340 <210> SEQ ID NO: 18
341 <211> LENGTH: 326
342 <212> TYPE: DNA
343 <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/824,787

TIME: 12:22:38

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430 tgttctccaa gctggagaat gggggctttc cctatgagaa agatctcatt gaggccatcc 300
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452 <212> TYPE: DNA
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455 <400> SEQUENCE: 25
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E--> 458 nctgtgaagg agcagtatcc gggcatcgag atcgagtcgc gcctcggggg cacaggtgcc 180
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See p. 6, too

RAW SEQUENCE LISTING

DATE: 04/19/2001

PATENT APPLICATION: US/09/824,787

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 482 <213> ORGANISM: Homo sapiens
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E--> 490 gactgcacag gactctgggg tctgtcttct ggttctnngg gtccaaaact tgggtcttcc 360
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 497 <212> TYPE: DNA
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E--> 505 ccgtctctcc tgcgtcatcc tgtgactgca caggactnac tctgggttcc tgcctctgtc 300 *item 10*
 506 tgggggtccaa accttgggtc tcactttggt cctgctggga agctccccc gctcttttc 360
 E--> 507 ccctacttaa gctcctaag caaaagagaa ccttgggcct ccaantttgg ccctttnggt 420
 E--> 508 acaaaaaagaa aggnat 436

511 <210> SEQ ID NO: 29
 512 <211> LENGTH: 391
 513 <212> TYPE: DNA
 514 <213> ORGANISM: Homo sapiens
 516 <400> SEQUENCE: 29

E--> 517 cggcacncgc ggattgaggt gnangccggg gcagacgtcc gtagegcccc ctcccagga 60
 518 gtteagagcc ggcagtggtg tccgcatcgt ggtggagtac tgtgaacctt gcggcttcga 120
 519 ggogacctac ctggagctgg ccagtgtgtg gaaggagcag tatccgggca tcgagatcga 180

E--> 520 gtcgcgcctc gggggcacag gtgcttttna gatagagata aatggacagc tgggtgttct 240
 E--> 521 caagctggag aatnggggct ttccctatga gaaagatctt cattgaggcc atccgaagag 300
 E--> 522 ccagtaatng agaaacccta gaaaagatca ccaacagccg tccttcttg cgtncatcct 360
 E--> 523 gttacttnc acaaggattc ttgggtttcc t 391

FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields for each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/824,787

DATE: 04/19/2001

TIME: 12:22:40

Input Set : A:\seqlist_1821 0040001.txt

Output Set: N:\CRF3\04192001\I824787.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:114 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4
M:340 Repeated in SeqNo=4
L:143 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5
L:153 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:6
M:340 Repeated in SeqNo=6
L:170 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7
M:340 Repeated in SeqNo=7
L:188 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8
M:340 Repeated in SeqNo=8
L:271 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13
M:340 Repeated in SeqNo=13
L:281 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14
M:340 Repeated in SeqNo=14
L:300 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15
M:340 Repeated in SeqNo=15
L:315 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16
M:340 Repeated in SeqNo=16
L:330 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17
M:340 Repeated in SeqNo=17
L:346 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:18
L:360 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:19
L:410 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:22
L:426 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:23
M:340 Repeated in SeqNo=23
L:440 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:24
M:340 Repeated in SeqNo=24
L:458 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:25
M:340 Repeated in SeqNo=25
L:470 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:26
M:340 Repeated in SeqNo=26
L:485 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:27
M:340 Repeated in SeqNo=27
L:505 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:28
M:340 Repeated in SeqNo=28
L:517 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:29
M:340 Repeated in SeqNo=29
L:532 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:30
M:340 Repeated in SeqNo=30
L:550 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:31
M:340 Repeated in SeqNo=31
L:561 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32
M:340 Repeated in SeqNo=32
L:592 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:34
M:340 Repeated in SeqNo=34
L:612 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35
M:340 Repeated in SeqNo=35

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/824,787

DATE: 04/19/2001

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Input Set : A:\seqlist_1821 0040001.txt

Output Set: N:\CRF3\04192001\I824787.raw

L:624 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:36

L:637 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:37

M:340 Repeated in SeqNo=37

L:654 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:38